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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/497,328	02/03/2000	Sepehr Mehrabanzad	CX098043	7358

23125 7590 09/26/2003

MOTOROLA INC  
AUSTIN INTELLECTUAL PROPERTY  
LAW SECTION  
7700 WEST PARMER LANE MD: TX32/PL02  
AUSTIN, TX 78729

EXAMINER

CORRIELUS, JEAN B

ART UNIT PAPER NUMBER

2631

DATE MAILED: 09/26/2003

11

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

09/497,328

**Applicant(s)**

MEHRABANZAD ET AL.

**Examiner**

Jean B Corrielus

**Art Unit**

2631

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 04 August 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-8 is/are allowed.
- 6) ☒ Claim(s) 9-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 9.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

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## DETAILED ACTION

### *Claim Objections*

1. Claim 10, line 3, shouldn't "in" be deleted? Appropriate correction is required.

### *Claim Rejections - 35 USC § 103*

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 9 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Li et al US Patent No. 5,864,560 in view of O'Connor et al US patent no. 4,780,883.

Li et al discloses a method and apparatus having the step of transmitting information used to configure a transmitter in the data mode without entry back to into the startup mode whereby signaling is used to reconfigure a modem transmitter without having to switch to the startup mode see col. 11, lines 10-13, lines 23-25, lines 48-54 and lines 60-64, col. 12, lines 45-49, thus eliminating inherently switchover time and taking advantage of higher data rate associated with the data mode. As noted in the applicant's argument filed on 8/4/03, page 2, Li et al teaches out-of-band signaling rather than in-band signaling to send the control information. However, the

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used of in-band-signaling to send control information is old and well established in the art. For instance O'Connor et al at col. 2, lines 20-23, teaches the used of in-band-signaling to send control information. Given that it would have been obvious to one skill in the art to incorporate such a teaching in Li et al in order to avoid the need to use a secondary channel for signaling as taught by O'Connor see col. 2, line 23.

4. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Li et al in view of O'Connor et al US patent no. 4,780,883 and further in view of applicant's background of the invention page 4, lines 15-19.

As applied to claim 10 above, Li et al and O'Connor et al disclose every feature of the claimed invention but do not explicitly teach the further limitation recited in claim 11. However, such limitation is old and well known in the art as acknowledge by applicant see page 4, lines 15-19. It would have been obvious to one skilled in the art to incorporate such a teaching in Li et al and O'Connor et al so as to take advantage of higher data rate provided in the data mode.

***Allowable Subject Matter***

5. Claims 1-8 are allowed.

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*Response to Arguments*

6. Applicant's arguments with respect to claims 9-11 have been considered but are moot in view of the new ground(s) of rejection.

7. **Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

**or faxed to:**

(703) 872-9314

(for informal or draft communications, please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

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8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jean B. Corrielus whose telephone number is (703) 305-4023.

The examiner can normally be reached on Monday-Thursday from 7:00 A.M. to 5:30 P.M.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3800.

  
Jean B. Corrielus

Primary Examiner

TC-2600 9-17-07